

# Converting Colors

CIELCh(64, 14.957, 338.893)

Have a look what the booklet for  
CIELCh(64, 14.957, 338.893)  
contains.

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# Color

**CIELCh(64, 14.957, 338.893)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B093A5
RGB	176, 147, 165
RGB Percent	69%, 58%, 65%
CMY	0.3099, 0.4236, 0.3530
CMYK	0.00, 0.16, 0.06, 0.31
HSL	323°, 16%, 63%
HSV	323°, 16%, 69%
XYZ	35.1170, 32.8017, 40.0650
YIQ	157.7230, 11.5060, 11.7460

# Conversions

## Conversions Part 2

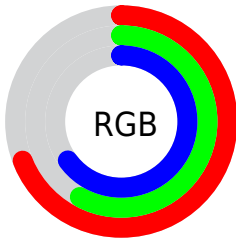
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 147, 165
Decimal	11572133
CIELab	64.00, 13.95, -5.39
CIElCh	64, 14.957, 338.893
Yxy	32.8017, 0.3252, 0.3038
Android (android.graphics.Color)	4289762213 (0xFFB093A5)
YUV	157.7230, 3.5876, 16.0289
Hunter-Lab	57.2727, 9.2206, -1.3852

# Details

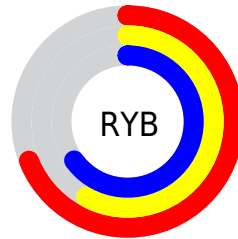
The CIELCh color  $64, 14.957, 338.893$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $69, 14.789, 156.426$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 15.069, 339.025$ , and  $44, 15.000, 338.869$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 24.142, 339.735$ , and if you desaturate by 10%, it is  $69, 5.830, 338.094$ .

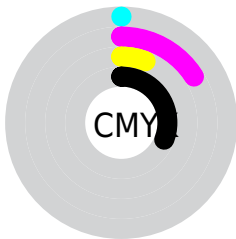
# Distribution



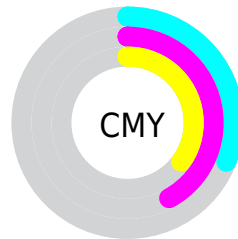
- Red (69%)
- Green (58%)
- Blue (65%)



- Red (69%)
- Yellow (58%)
- Blue (65%)



- Cyan (0%)
- Magenta (16%)
- Yellow (6%)
- Black (31%)




- Cyan (31%)
- Magenta (42%)
- Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 14.957, 338.893 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 14.957, 338.893 by changing the saturation by 10% instead.




 64, 14.957,  
338.893


 64, 14.957,  
338.893


 100, 14.957,  
338.893


 54, 14.957,  
338.893


 84, 14.957,  
338.893

 44, 14.957,  
338.893

 94, 14.957,  
338.893

 34, 14.957,  
338.893

 24, 14.957,  
338.893

 14, 14.957,  
338.893

 4, 14.957, 338.893

 0, 14.957, 338.893

64, 14.957,  
338.893

64, 14.957,  
338.893

59, 24.142,  
339.735

69, 5.830, 338.094

55, 33.216,  
340.651

74, 3.123, 157.545

51, 41.921,  
341.667

78, 11.843,  
156.805

47, 49.904,  
342.818

83, 20.299,  
156.176

44, 56.737,  
344.156

88, 28.484,  
155.593

42, 61.972,  
345.754

93, 36.400,  
155.049


40, 65.261,  
347.711


94, 35.385,  
158.314

39, 66.568,

94, 33.096,  
162.678

350.124

 94, 30.991,  
167.633

 38, 66.851,  
351.029

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 14.957, 338.893



69, 14.789, 156.426

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 14.957, 338.893



64, 14.957, 28.893



64, 14.957, 158.893



64, 14.957, 208.893

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 14.955, 338.895



88, 5.578, 337.976



63, 16.782, 305.180



46, 3.804, 338.035



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 14.955, 338.895



79, 22.580, 339.213



64, 11.650, 9.945



35, 5.170, 338.324



33, 60.427, 350.684



2, 11.472, 343.121



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 14.955, 338.895



79, 22.580, 339.213



70, 10.773, 187.160



35, 5.170, 338.324



33, 60.427, 350.684

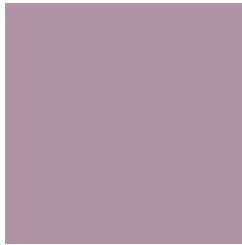


2, 11.472, 343.121



# Previews

## White Background



This preview shows how the CIELCh color 64, 14.957, 338.893 looks on a white background.

## Color Contrast Check

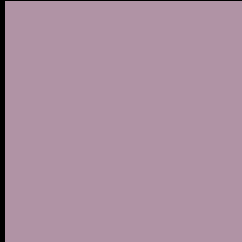
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 64, 14.957, 338.893 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

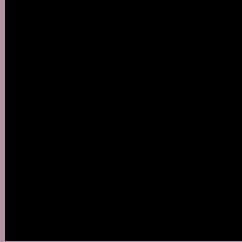
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 64, 14.957, 338.893**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 14.957, 338.893.



This preview shows how white text looks on a background with the CIELCh color 64, 14.957, 338.893.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

64, 14.957, 338.893

### Protanopia

64, 8.371, 291.078

### Deuteranopia

64, 9.260, 328.803





**Tritanopia**  
64, 12.121, 350.352

# Trichromacy



**Original Color**  
64, 14.957, 338.893

**Protanomaly**  
64, 10.397, 314.434

**Deuteranomaly**  
64, 10.941, 335.054

**Tritanomaly**  
64, 12.685, 345.965

# Monochromacy



**Original Color**  
64, 14.957, 338.893

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 5.759, 337.397

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 14.957, 338.893 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 147, 165)` looks like.

```
.text, #text, p{  
    color:rgb(176, 147, 165)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 147, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 147, 165) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 14.957, 338.893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 147, 165) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 147, 165) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 147, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 147, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 147, 165);  
box-shadow:4px 4px 4px 4px rgb(176, 147,  
165) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 14.957, 338.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 147, 165) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
147, 165) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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